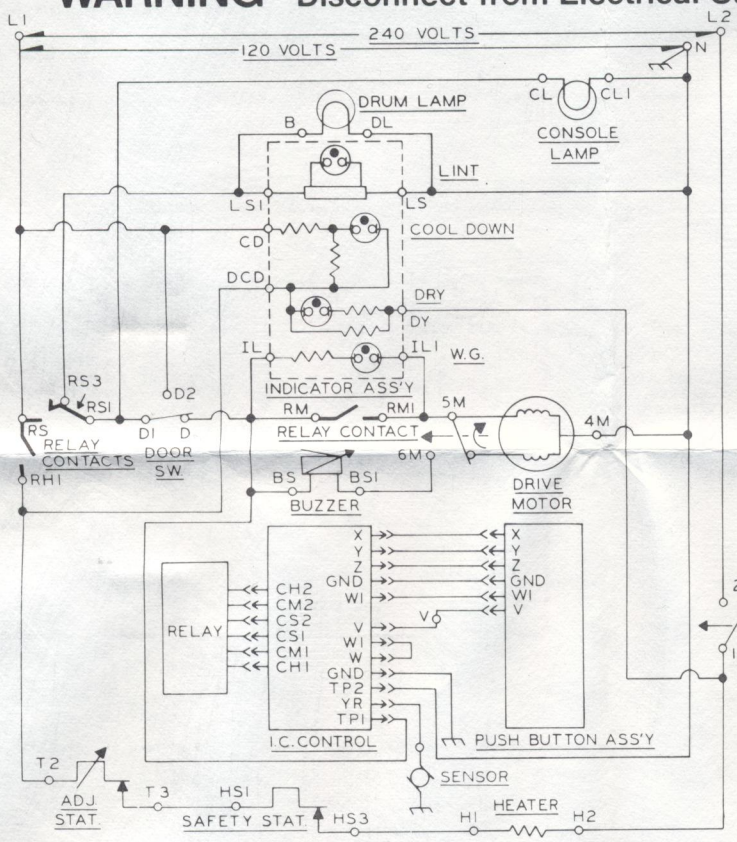
WARNING Disconnect from Electrical Supply Before Servicing Unit

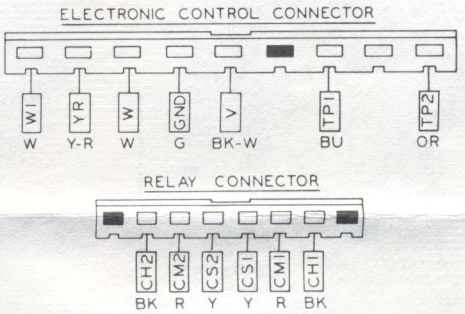


ELECTRIC DRYER WIRING DIAGRAM

NEUTRAL TERMINAL LINKED TO CABINET

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS:

3,004,205	3,398,460	3,497,964	3,702,030	
3,218,732	3,398,461	3,522,660	3,707,882	
3,286,359	3,398,465	3,571,941	3,714,717	
3,316,659	3,409,997	3,597,139	3,762,064	
3,391,468	3,471,938	3,639,844	3,769,716	
3,394,465	3,491,458	3,639,998	3,802,091	OTHER PATENTS PENDING



POWER SUPPLY

120/240 Volt 60 Hz.
3-Wire

MOTOR

350 Watts No Load
Speed – 1740 RPM CCW

HEAT ELEMENT

5200 Watts
at 240 Volts

DRUM

Size – 6.9 Cubic Feet
Speed – 45 ± 3 RPM CCW

WRINKLE GUARD III

(This is an option that allows the operator to select or omit the wrinkle guard feature for any load.)

The laundry is tumbled without heat for several seconds every 5 minutes. This tumble-wait action is repeated for about 2-1/2 hours unless the dryer door is opened sooner.

Note: Wrinkle Guard III is selected when this button is in the depressed position. It will remain depressed until it is pushed again which allows it to move back out which will omit the Wrinkle Guard cycle.

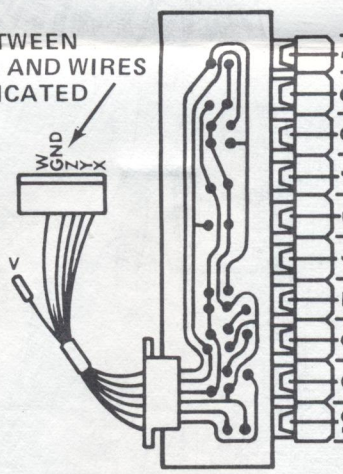
PUSHBUTTON SWITCH CHECKOUT

Using the following chart and an ohmmeter, check out the pushbutton switch by placing the meter probes between ground (GND) and each of the other terminals (V, W, Z, or Y). With the Wrinkle Guard pushbutton out, push all of the pushbuttons in sequence, do this with the meter leads on the same wires. Repeat the checks with the Wrinkle Guard button in. Refer to the chart to see if the switch is closed or open. Next move the meter lead to a different checkout point and repeat the checks.

CODE:

X – MEANS CLOSED
O – MEANS OPEN

BETWEEN GROUND AND WIRES INDICATED



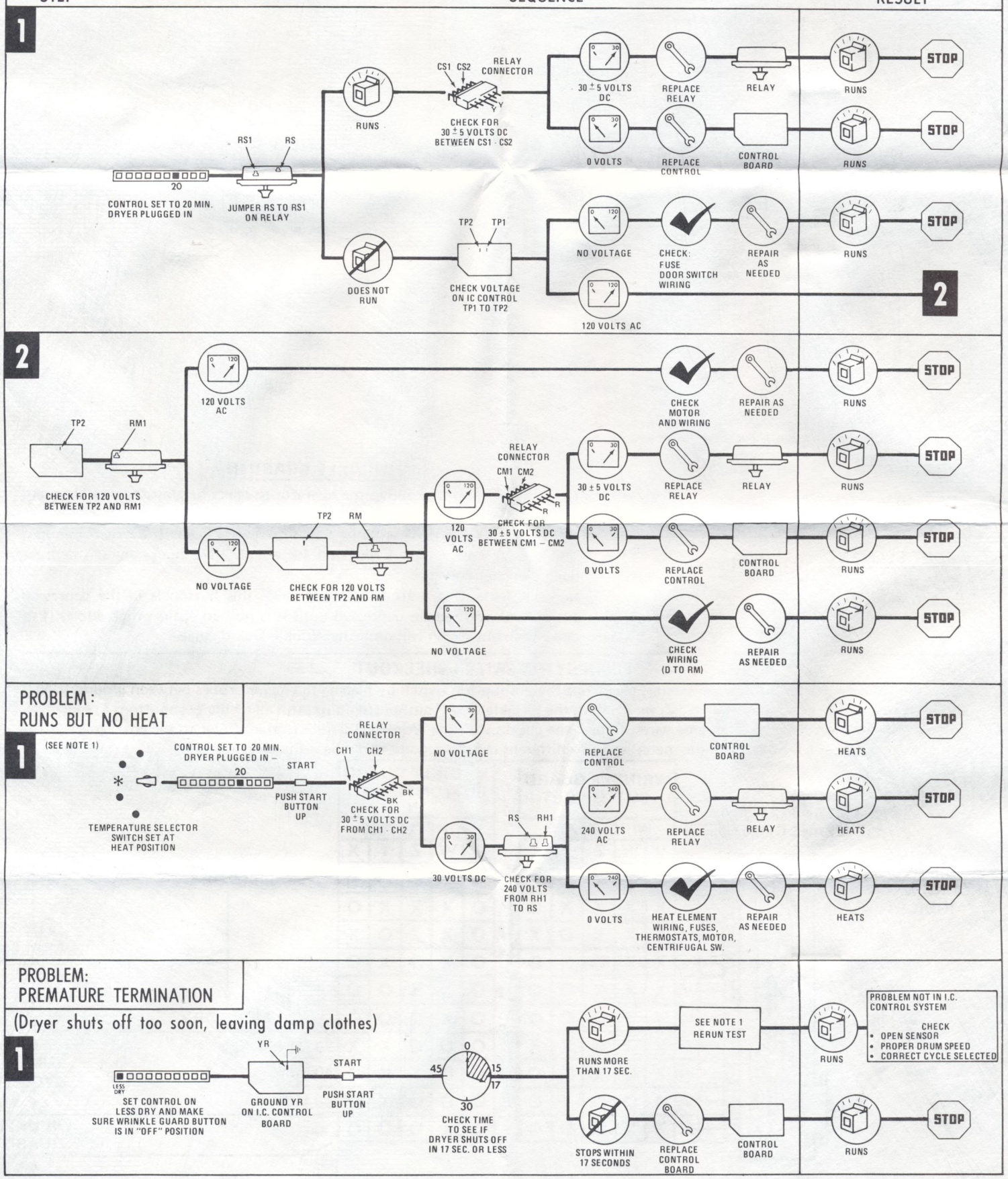
	WRINKLE GUARD BUTTON OUT					WRINKLE GUARD BUTTON PUSHED IN					
	WIRE LEADS					WIRE LEADS					
	V	W	Z	Y	X	V	W	Z	Y	X	
11	X	X	O	O	X	O	X	O	O	X	LESS DRY
12	X	X	X	X	O	O	X	X	X	O	
13	X	X	X	O	X	O	X	X	O	X	
14	X	X	O	X	O	O	X	O	X	O	
15	X	X	X	O	O	O	X	X	O	O	
16	X	X	O	O	O	O	X	O	O	O	MORE DRY
17	X	O	O	X	X	O	O	O	X	X	20 MIN.
18	X	O	X	X	O	O	O	X	X	O	40 MIN.
9	X	O	O	X	O	O	O	O	X	O	60 MIN.
10	X	X	O	O	O	O	X	O	O	O	WRINKLE GUARD

AUTO CYCLES

TIMED CYCLES

NOTE 1: Before diagnosing the Solid State components, let the dryer run at Hi-Heat for about 5 minutes. This will "warm" up the IC components to their normal operating temperatures.

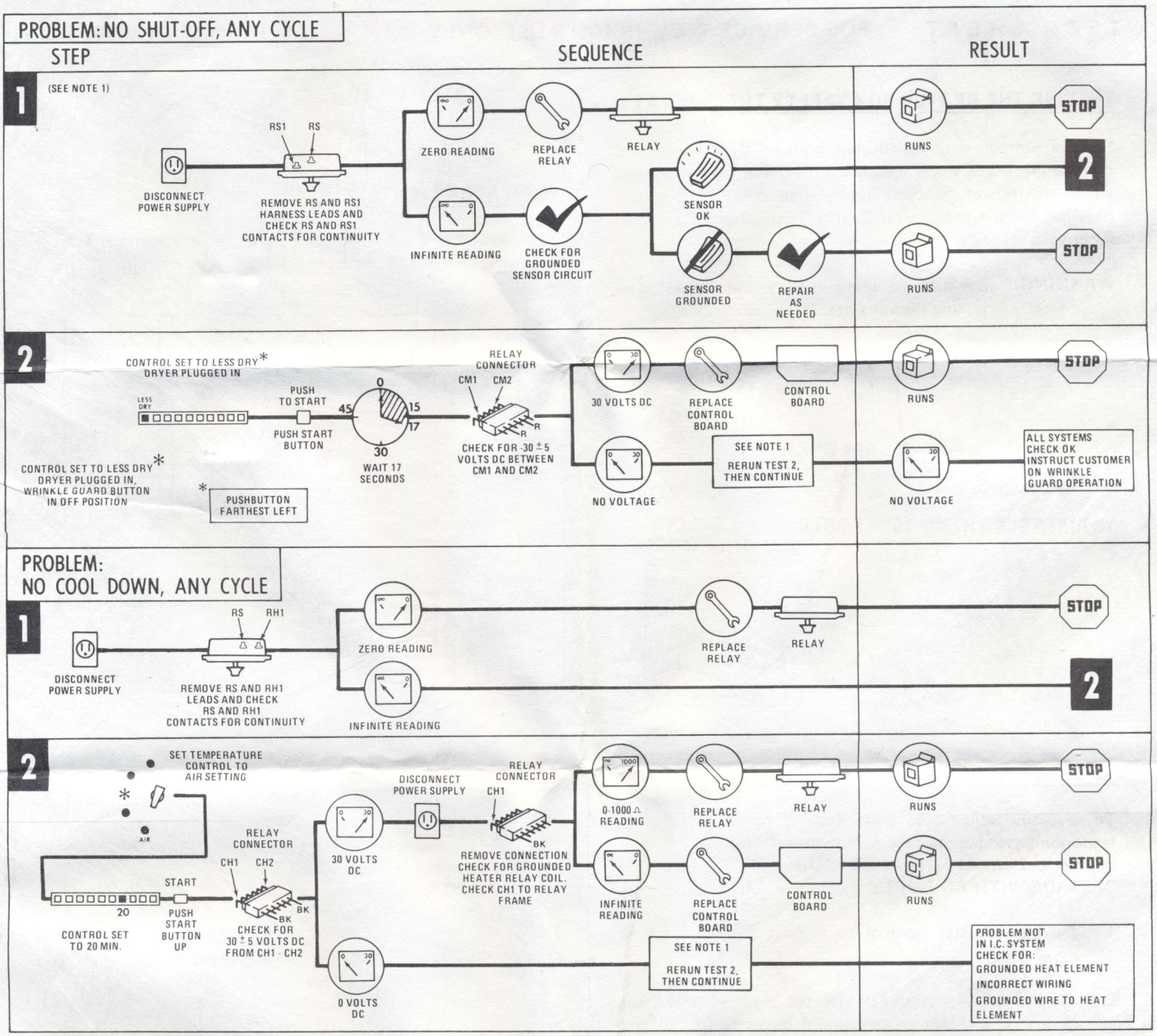
PROBLEM: DRYER WILL NOT START



PROBLEM: RUNS BUT NO HEAT

PROBLEM: PREMATURE TERMINATION

(Dryer shuts off too soon, leaving damp clothes)



TROUBLE SHOOTING GUIDE

Complaint	Possible Cause
WON'T RUN –	Defective thermal fuse. Defective IC control. Defective relay. Door not closed. Door switch contacts D1-D open. Defective drive motor. Dryer in "Wrinkle Guard" part of cycle. Dryer selector switch in "Off" position.
STARTS, BUT WILL – ONLY RUN AS LONG AS "PUSH-TO-START" BUTTON IS HELD CLOSED.	Defective relay. Defective IC control.

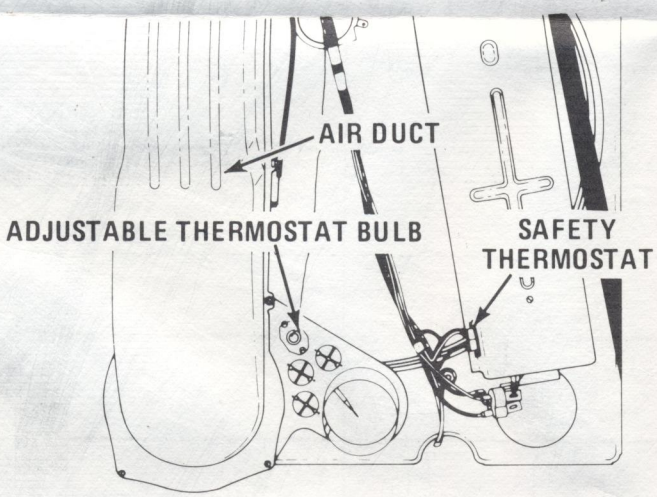
Complaint	Possible Cause
LONG DRYING TIME –	Improper cycle selection. Filled lint screen. Too long or faulty exhaust system. Defective gas burner or ignitor. Defective thermostat. (See test procedure.) Customer using cold water rinse. Customer overloading dryer. Incorrect tumble speed. Dryer installed in cold area. Defective relay. Defective sensor. Defective IC control.
WON'T SHUT OFF –	Defective sensor. Defective IC control. Defective relay.

(See Page 2 & 3 of this Tech Sheet.)

TESTING THE HEATER BOX SAFETY THERMOSTAT

Place a jumper wire on all fan housing thermostats and completely block dryer exhaust outlet. Turn dryer on and allow thermostat to cycle once, then measure the time required for the thermostat to trip. It should trip between 21 and 38 seconds.

WARNING: Be sure to remove all jumper wires after testing thermostats.



TO CHECK ADJUSTABLE THERMOSTATS

To test the adjustable thermostat to determine if it is responding to the correct temperatures, follow the procedure below. ALL TEMPERATURE TESTS SHOULD BE MADE WITH AN EMPTY DRUM.

1. Turn thermostat control to highest setting and start dryer.

2. Place thermometer directly in the air flow at exhaust outlet. The thermometer should be calibrated to give accurate Fahrenheit reading between 100° and 300°F.

3. The average temperature range on COTTON/STURDY setting is about 155°F. The adjustable thermostat should open the circuit to heat source at not more than 5° or 6° below this temperature. The circuit to the gas burner should be closed at approximately 10° below the temperature that the circuit was opened.

   Permit the adjustable thermostat to cycle heat element on and off three or four times to be sure of accurate readings.

   If it is impossible to bring the temperature to the high limit of the thermostat, it is necessary to partially restrict the exhaust outlet.

   If the adjustable thermostat does not operate within the temperature tolerances it should be replaced.

INDICATOR LIGHTS

This dryer has 4 neon indicator lights in an assembly. The following chart shows when the lights will be on.

FUNCTION OF DRYER

SELECTION			LAMP *	OFF		DRY	COOL DOWN		W.G.	
				DOOR OPEN	DOOR CLOSED		STAT OPEN	STAT CLOSED	STAND BY	TUMBLE
TIMED	HEAT	W.G.	1			ON	ON DIM			
			2					ON		ON
			3						ON	
			4	FLASHING						
		NO W.G.	1			ON	ON DIM			
			2					ON		
			3							
			4	FLASHING						
	AIR	W.G.	1			ON	ON DIM			ON DIM
			2							
			3						ON	
			4	FLASHING						
		NO W.G.	1			ON	ON DIM			
			2							
			3							
			4	FLASHING						
AUTO		W.G.	1			ON	ON DIM			
			2					ON		ON
			3						ON	
			4	FLASHING						
		NO W.G.	1			ON	ON DIM			
			2					ON		
			3							
			4	FLASHING						

* LAMP DESCRIPTION

1 – DRY
2 – COOL DOWN
3 – W.G.
4 – LINT

NOTE: DURING START UP & SHUT OFF SOME OF THE INDICATOR LIGHTS MAY COME ON FOR A SHORT PERIOD OF TIME

To check the neon lights for operation, remove the leads from the assembly and apply 240 volts to:

DY-DCD for drying light
CD-DCD for cool down light

Apply 120 volts to: IL-ILI for wrinkle guard
LSI-LS for lint indicator
(light will flash on and off)

NOTE:
This sheet contains important Technical Service Data
FOR SERVICE TECHNICIAN ONLY
DO NOT REMOVE OR DESTROY
PART NO. 689593 REV. C

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